INSTALLATION MANUAL

Reach-In Refrigerators

COR20RRTM, COR22RRTM, COR40RRTMD, COR48RRTMD, COR74RRTMT

CAUTION - Only trained and certified electrical, plumbing and refrigeration technicians should service this unit. ALL WIRING AND PLUMBING MUST CONFORM TO NATIONAL AND LOCAL CODES.

CHECK FOR SHIPPING DAMAGE

Prior to leaving the factory, each cabinet is thoroughly inspected and performance tested up to 12 hours to assure proper operating temperatures.

Check the crate thoroughly for signs of shipping damage.

If signs of shipping damage are present:

If the damage is severe and obvious, refuse the shipment. The carrier will return the cabinet to the factory. Call the factory immediately, noting that the shipment was refused and we'll ship a replacement cabinet and handle the freight claim.

If no obvious crate damage is present, within two hours of receiving the cabinet from the carrier, remove the front and side panels to inspect for concealed damage.

1. If concealed damage is found, call the carrier immediately, **save all crating materials**, and file the necessary freight claim with the carrier.
2. If no concealed damage is present, reassemble the crate to protect the cabinet for final location delivery.

WHERE TO LOCATE THE CABINET

- Place the cabinet on a surface strong enough to support the combined weight of the cabinet and the product load and solid enough to prevent vibration. Guideline: estimate 35 pounds per cubic foot of storage space.
- Locate the cabinet on a level surface. Minor unevenness can be compensated for by the adjustable legs or shimming the base or casters.
- Place the cabinet in areas where the ambient room temperatures are between 50^{o}F and 90^{o}F. Excessive heat will affect performance and may cause condensation.
- Locate the cabinet in well-ventilated areas. The cabinet should be protected from heat sources and direct sun's rays. If the cabinet is in front of a window, provide an awning or shade to shield the cabinet from direct sunlight.

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- If the condensing unit is located in the bottom of the cabinet, leave an air space of at least 3” in back of the cabinet for venting the hot air from the unit compartments.

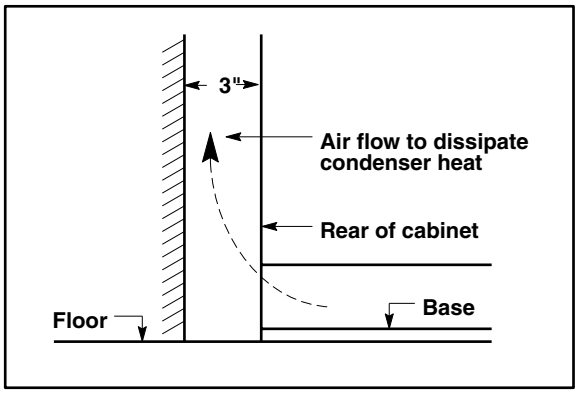

FIGURE 1

- If the condensing unit is located on the top of the cabinet, it is not necessary to leave space behind the cabinet. However, 12” of clearance is required from the top of the cabinet to the ceiling.
- Measure all doorways and passages before moving the cabinet to its final location. To pass through low door openings, first remove the shelves shipped inside the cabinet and lay one- and two-section upright cases on end.

CAUTION - Lay the cabinet on pads or thick blankets to avoid damage to the cabinet finish. After the cabinet is set upright, check for oil leaks in the compressor compartment. If you find oil leaks, call a qualified service person before operating the unit. If no oil leaks are found, wait 1/2 hour before operating the unit.

Remove the Crate and Skid

Remove the crate carefully to prevent damage to the exterior surfaces of the cabinet. The cabinet is bolted to a wooden skid with four hex-head bolts. After the skid is removed, always use a dolly to move the cabinet to prevent damage to the cabinet bottom or the floor.

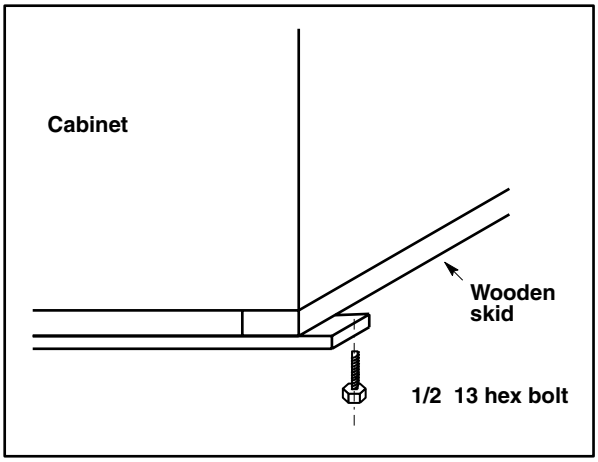

FIGURE 2

Remove the Door and Hinges

On upright cases, if the doorway or passage way is too narrow, the doors and hinges can be removed. Open the door 45 degrees and lift the door up and off the hinge pin. Use a phillips head screwdriver to remove the hinges. When re-assembling the door and hinges, tighten the hinge screws slightly and rehang the door. Check to be sure the door is properly aligned. Use a block of wood and a hammer to tap

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the hinge until the door is properly aligned. Then tighten the hinge screws to prevent the door from sagging.

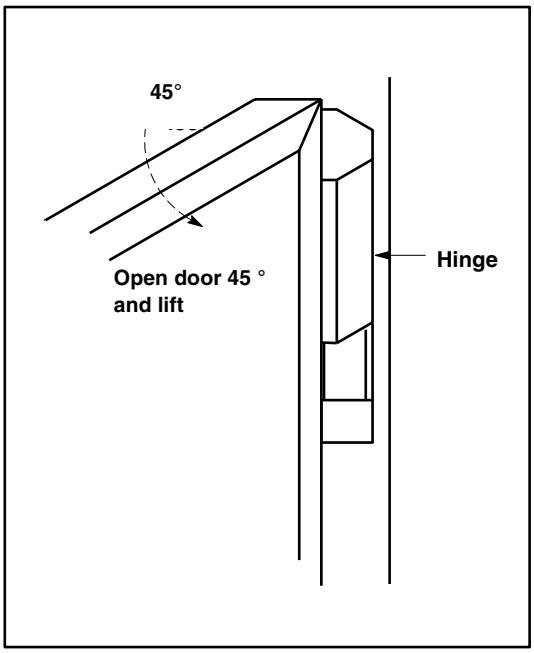

FIGURE 3

IMPORTANT - Level the cabinet from front to back and from end to end to insure proper drainage and door operation.

INSTALL LEGS AND CASTERS

CAUTION - Top mounted units are top heavy. Be careful when mounting legs or moving the cabinet.

To install the legs

Heavy, adjustable legs are provided with all top mounted cabinets so the cabinet may be leveled accurately and to allow room to clean beneath the cabinet.

Do not lay the cabinet down either on its back or sides. Always keep it in an upright position. Tilt the cabinet back just far enough to fit the front legs and place a block of wood or some similar support under it until both front legs are in. Then tilt the cabinet forward enough to install the rear legs.

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After the legs are installed, level the cabinet by using the adjustable portion of the legs as needed. This is very important to insure proper draining and door operation.

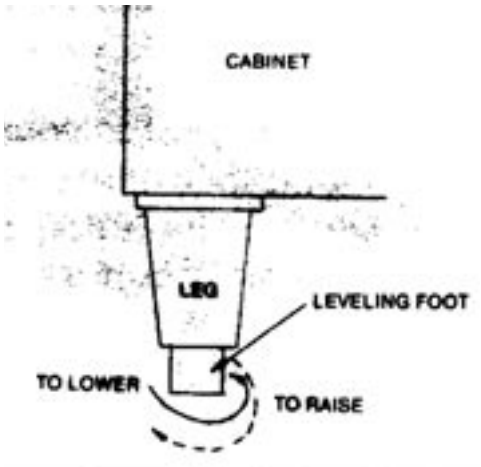

FIGURE 4

To install casters

Casters are supplied as optional equipment. To install the casters, follow the directions for installing legs .

INSTALL THE CONDENSATE DISPOSAL SYSTEM

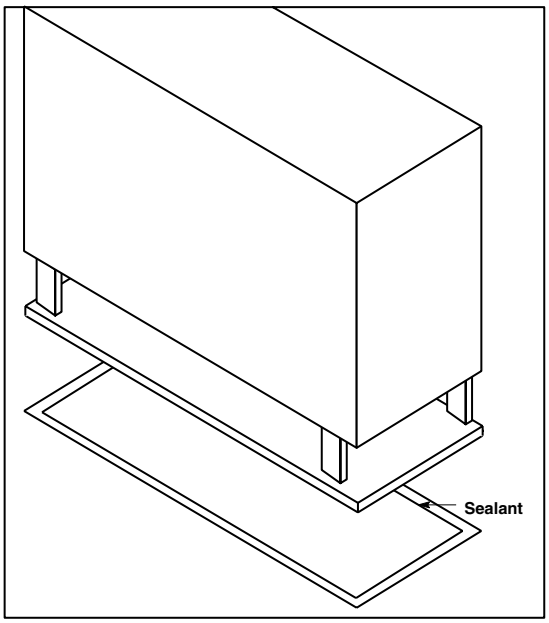

FIGURE 5

WARNING - The condensate disposal system is designed to dispose of the water from the evaporator only under normal operating conditions. When cases are used with ice or when additional water is generated by the case through abnormal usage or ambient conditions, a floor drain or similar arrangement might be required.

Top mounted units

Depending on the model ordered, an electric condensate evaporator pan is available to dispose of condensate water. The electric evaporator pan plugs into a 115 V 15 AMP line which should be a separate line from the cabinet power supply.

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Type 1 - Insert the drain trap into the drain tubing after the legs are installed. Place the drain pan with legs on the floor and plug in the electric condensate pan. **Be sure** drain tubing with trap drains into the pan.

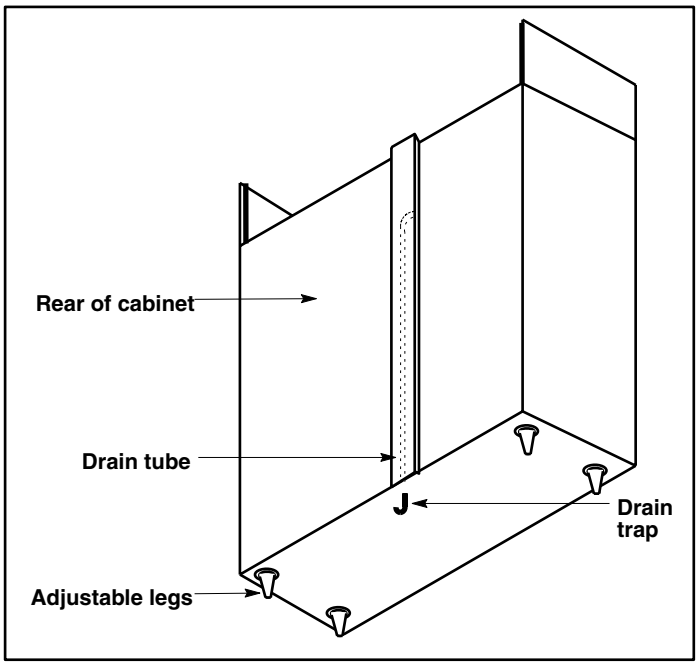

FIGURE 6

Type 2 - Install the drain tube elbow to the drain tube. Attach the evaporator pan and cradle to the rear of the case. Plug the electric evaporator pan into a proper electrical outlet. Be sure to check that the drain tube elbow drains into the pan.

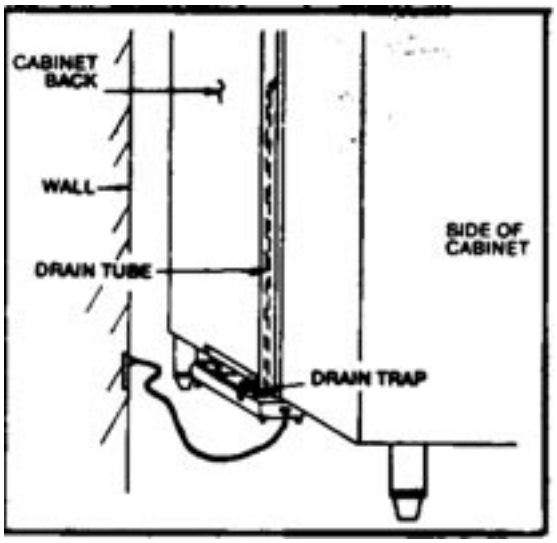

FIGURE 7

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RELEASE THE COMPRESSOR TIE-DOWN BOLTS

Check the compressor compartment to see if your cabinet has a spring-mounted compressor which is bolted down to avoid shipping damage. Loosen the tie-down nuts until the compressor is loose and rides free on the springs.

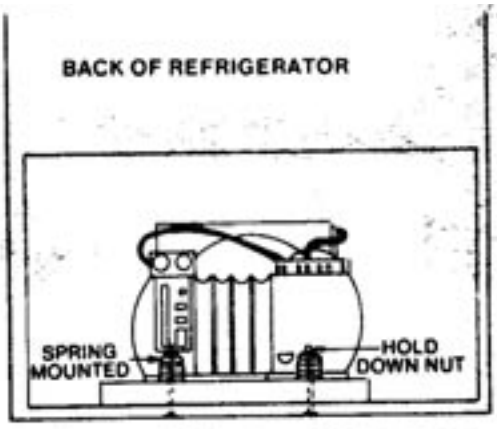

FIGURE 8

WARNING - Failure to loosen these bolts will result in excess noise and vibration which will damage the refrigeration system and void your warranty.

CONNECT THE CABINET TO A PROPER ELECTRICAL POWER SUPPLY

Be sure that a qualified electrician or refrigeration service person checks to see that your building's wire size is adequate to carry the load of the cabinet being installed and the circuit breaker or fuse is a time-delay type. Each refrigerator should be connected to its own circuit for best operation and to avoid possible product loss due to other defective electrical appliances. The cabinet comes with an on/off power switch located in the unit compartment in compliance with U.L. requirements. Consult the specification sheet and wiring diagram for details about your model cabinet. Consult the local electrical codes and U.L. for additional requirements. A 5% deviation from the specified electrical requirements will result in poor performance, shorten the life of the electrical components, and void your warranty.

Plug in your cabinet

If your cabinet is rated at 12 amps or below, a standard three-prong grounding power plug is provided. Be sure to plug directly into a properly-grounded three-prong receptacle.

If your cabinet is rated at 13 amps to 15 amps, a special three-prong grounding power plug is provided. Be sure to plug directly into a properly-grounded three-prong receptacle.

FIGURE 9

IMPORTANT - Do not, under any circumstances, cut or remove the round grounding prong from the power plug.

If your cabinet is rated at 16 amps or above, an electrician must run the proper size wiring to the power box.

See the enclosed electrical diagram for details.

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Always check the amperage rating of the condensing unit and the complete cabinet to determine the size power line required. (See the serial tag on the cabinet.) Any excessive amperage drawn due to low voltage will affect the performance and shorten the life span of your cabinet.

CABINET START UP

A qualified refrigeration service person should be present to make a complete check prior to start-up. Before turning on the on/off power switch:

1. Check all refrigeration lines for damage which may have occurred during shipping or installation.
2. Check that all wires are clear of the fans and that the fan blades turn freely.
3. Check the unit compartment for oil leaks.
4. If the compressor is mounted on external springs, be sure the hold-down nuts have been loosened.
5. Clean the interior of the cabinet with mild soap and rinse with a warm baking soda solution (one cup baking soda to one gallon of water).
6. Dry the interior completely.

After the cabinet is operating

Be sure the compressor cycles three times and the proper temperature is achieved before loading product into the cabinet.

While waiting for the cabinet to achieve the proper temperature and cycles three times, open the door(s) to see if the light goes on. With the door(s) open, push the door switch button(s) to see if the lights go out.

INSTALL THE ADJUSTABLE SHELVING

Each cabinet's pilaster has been installed with knurled-head machine screws and are easily removed for cleaning. The shelves and shelf clips (4 clips per shelf) are packed in the cabinet. To insert a clip, place the top of the clip in the pilaster while pushing in and down. Insert the bottom of the clip in the pilaster. Repeat until all clips are in the desired locations. Place the shelves on the clips, checking to be sure all four corners of each shelf are level and supported by the four shelf clips.

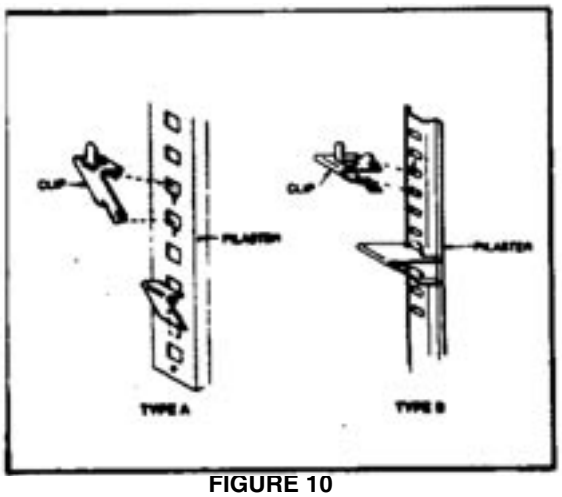

FIGURE 10

LOAD THE PRODUCT IN THE CABINET

Before loading the cabinet, be sure the unit has cycled three times and the cabinet has achieved the desired temperature. Each cabinet is designed to perform within certain temperature and humidity requirements, based on ambient factors.

Remember - a commercial refrigerator is an electrical mechanical device subject to failures. Check the thermometer readings frequently to prevent loss of product due to radical changes in temperature. An optional audio alarm is available from the factory for cabinets where frequent temperature checks aren't practical or product value requires this notification to prevent product loss.

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WIRING DIAGRAMS

COR20RRTM

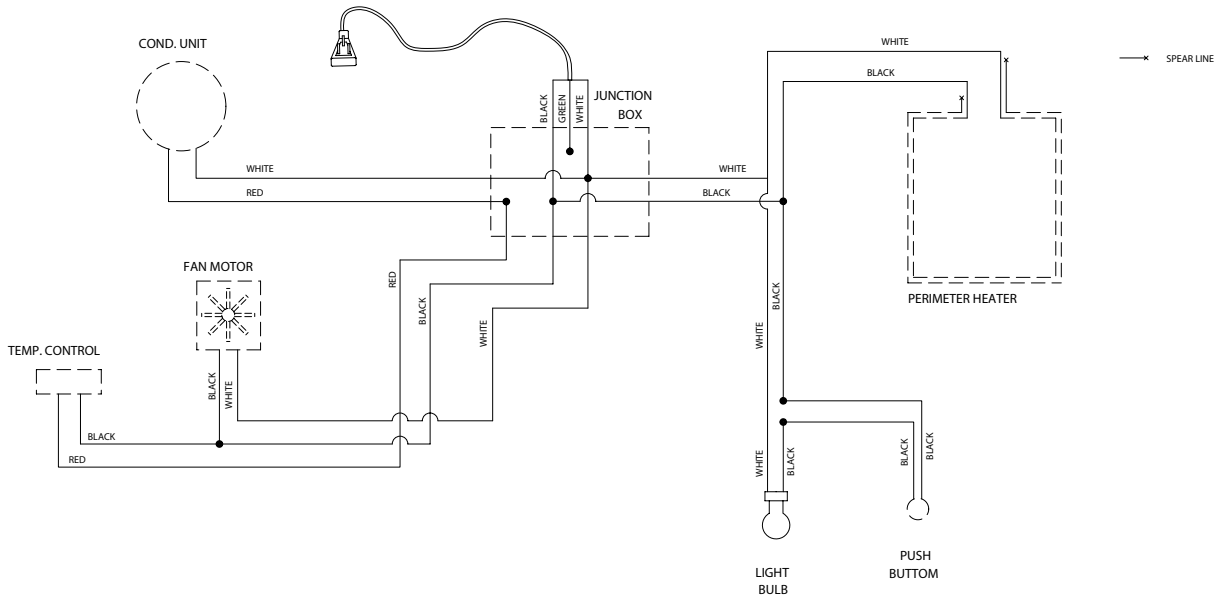

FIGURE 11

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COR22RRTM

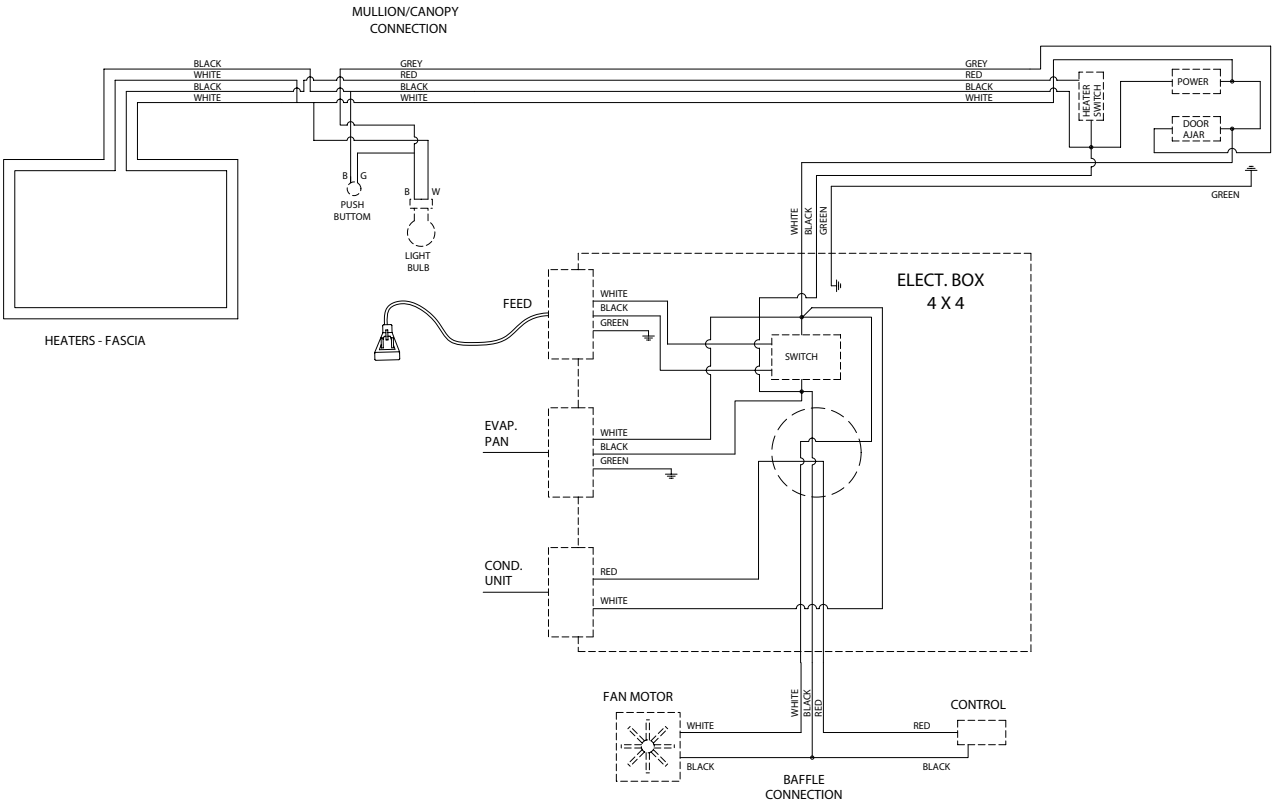

FIGURE 12

COR40RRTMD

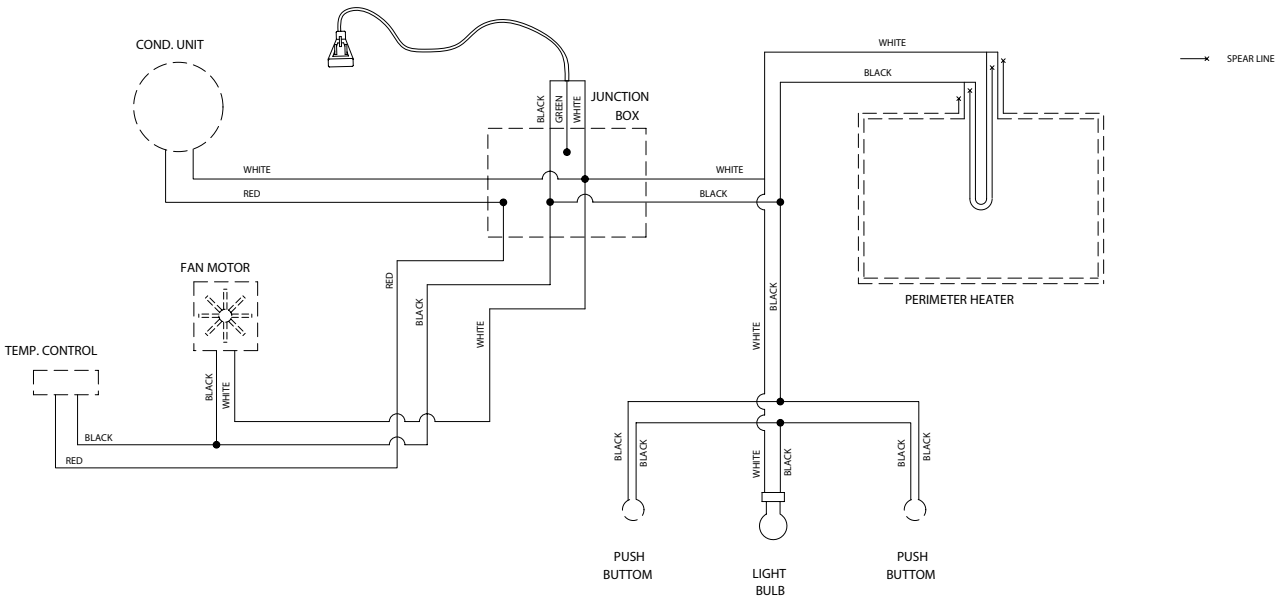

FIGURE 13

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COR48RRTMD

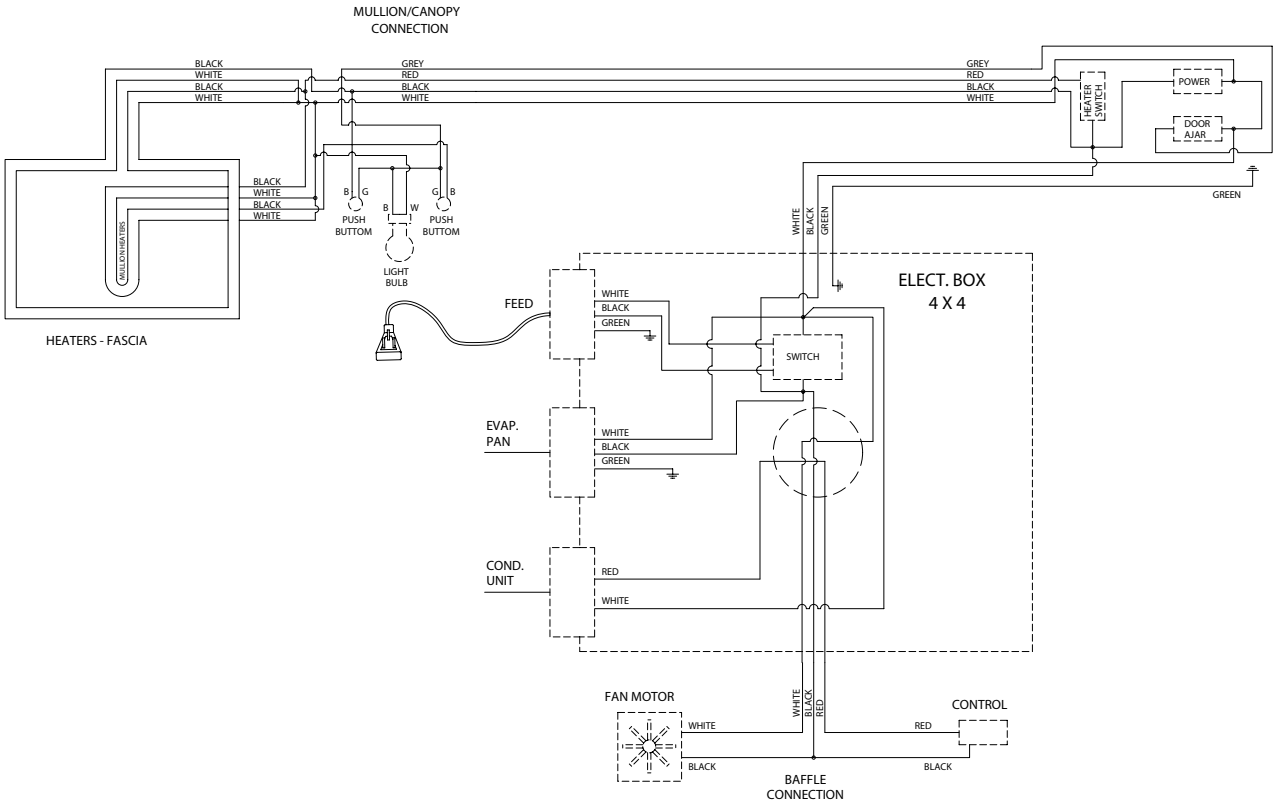

FIGURE 14

COR74RRTMT

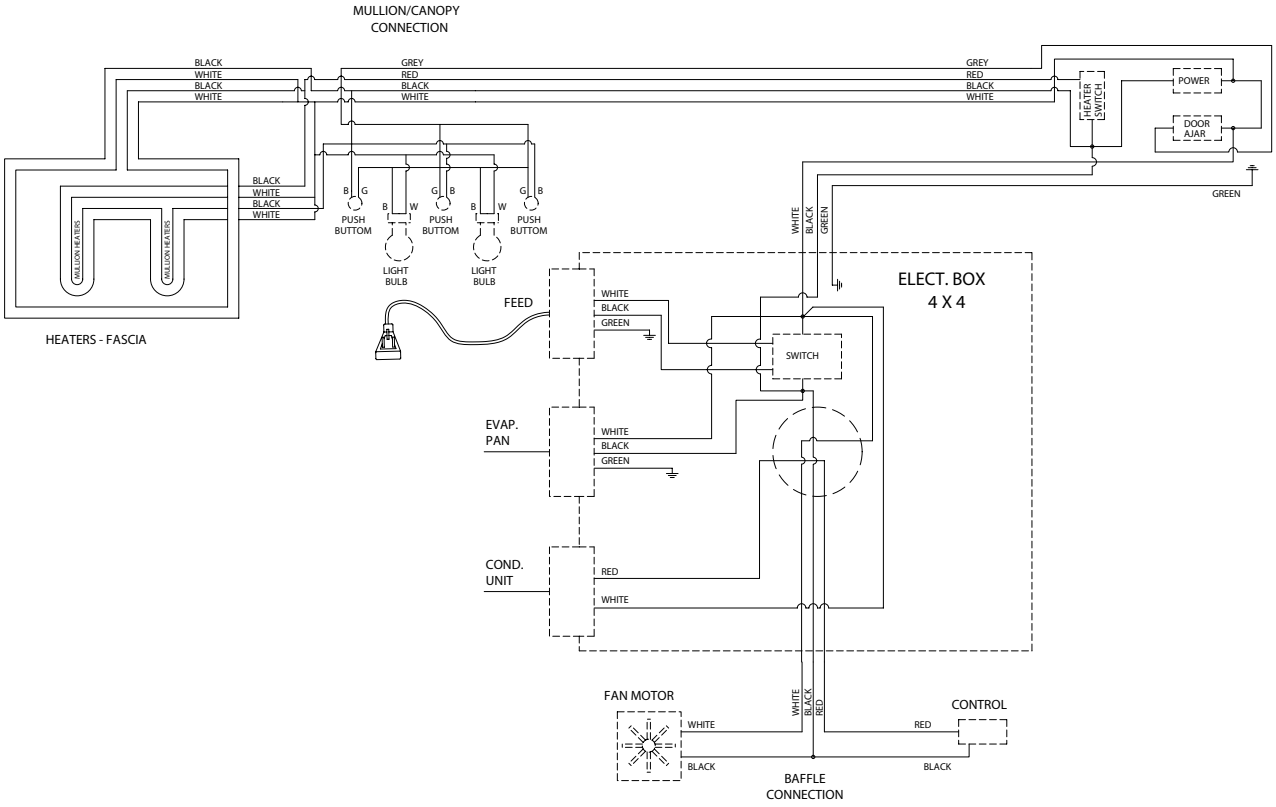

FIGURE 15

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